

Historical Floods: Tioga River near Mansfield, Pennsylvania

Latitude: 41.797

Flood Stage: 12 ft

Period of Record: 1972-Present

Last Flood: 9/8/2011

Longitude: -77.081

Number of Floods: 27

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
6/22/1972	17.98	24,200	Major	C1 C7
9/25/1975	20.13	18,000	Major	C1 C8 F1
2/24/1977	14.90	5,840	Major	none
5/14/1978	16.17	8,940	Major	none
1/24/1979	14.15	5,240	Major	none
3/21/1980	13.59	6,570	Moderate	none
2/23/1981	12.87	4,810	Minor	none
6/6/1982	13.16	5,460	Moderate	none
4/24/1983	12.20	3,250	Minor	none
2/14/1984	14.68	9,490	Major	none
11/29/1984	12.19	3,150	Minor	none
3/15/1986	13.92	7,430	Moderate	none
4/4/1987	13.68	6,800	Moderate	none
5/19/1988	14.62	9,300	Major	none
6/17/1989	12.91	4,480	Minor	none
10/23/1990	15.44	11,500	Major	none
8/9/1992	14.21	8,520	Major	none
4/16/1993	16.12	11,500	Major	none
8/18/1994	18.57	33,300	Major	none
1/20/1995	12.70	31,002	Minor	F1 C3
1/19/1996	18.87	38,900	Major	none

12/2/1996	16.50	13,200	Major	none
1/8/1998	14.45	4,700	Major	none
1/24/1999	14.71	5,260	Major	none
9/18/2004	14.21	20,900	Major	none
4/2/2005	12.30	13,000	Minor	none
9/8/2011	13.08	15,800	Moderate	none

Drainage Area: 153 sq mi

Gage Datum: 1121.28 ft MSL

Chemung Basin

County of Gage: Tioga

County of Forecast Point: Tioga

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Crest (ft)

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Category

Code

-9999 signifies missing data

MARFC Codes

Code Description

- C1 Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
- C2 Crest information looks reliable despite potential problems. This data was used in frequency calculations.
- C3 Crest height estimated by the USGS.
- C4 Crest height is from the National Weather Service.
- C5 Crest height affected by backwater.
- C6 Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
- C7 Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
- C8 Crest date (day) in the month is unknown.
- C9 Flow is an estimate.
- F1 Flow affected by regulation or diversion and in some cases to an unknown degree.
- F2 Flow effected by snow-melt, ice jam or debris jam break up.
- F3 Flow affected by dam failure.
- F4 Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
- F5 Gage height at a different site and/or datum.
- G1 Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
- G2 Gage datum changed during this year.

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